

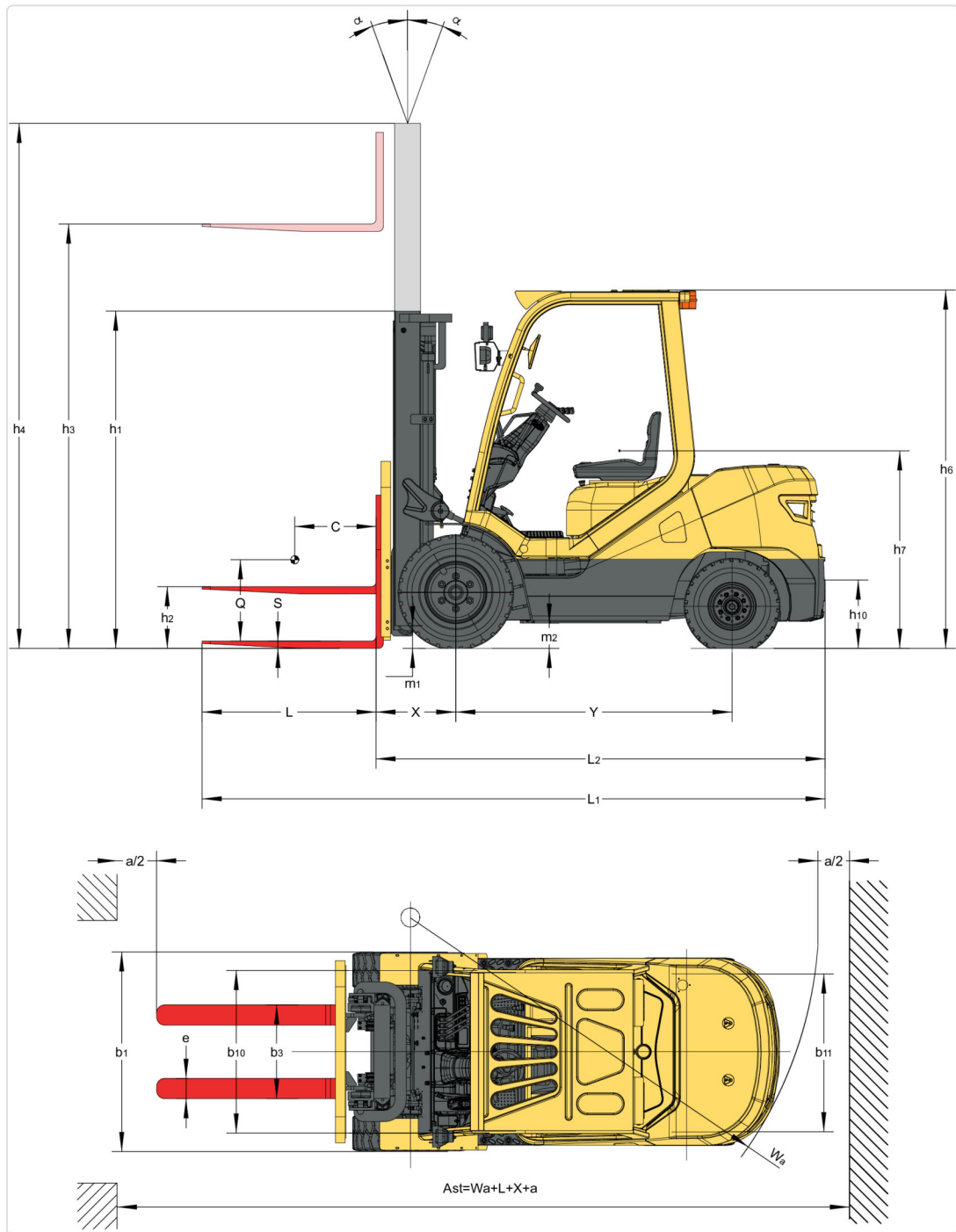


J2.0-3.5XTLG SERIES

HYSTER

INTEGRATED LITHIUM-ION COUNTERBALANCE FORKLIFT

TECHNICAL SPECIFICATIONS



TECHNICAL DATA

SPECIFICATIONS - J2.0-2.5X11.6

Description	1.2	Model Designation	J2.0X11.6 115V	J2.0X11.6 164V	J2.5X11.6 115V	J2.5X11.6 164V
Distinguishing Mark	1.1	Manufacturer	Hyster	Hyster	Hyster	Hyster
	1.3	Drive	Electric	Electric	Electric	Electric
	1.4	Operator Type	Seated	Seated	Seated	Seated
	1.5	Rated Capacity/Rated Load	Q (kg)	2000	2500	2500
	1.6	Load Centre Distance	c (mm)	500	500	500
Weight	1.8	Load Distance, Centre Of Drive Axle To Fork	x (mm)	476	476	476
	1.9	Wheelbase (With Mast Vertical)	y (mm)	1600	1600	1600
	2.1	Service Weight	kg	3554	3671	3831
	2.2	Axle Loading, Laden Front/Rear	kg	4899/655	5003/668	5569/745
Tyres & Chassis	2.3	Axle Loading, Unladen Front/Rear	kg	1370/2184	1410/2261	1485/2329
	3.1	Tyres Front/Rear	pneumatic	pneumatic	pneumatic	pneumatic
	3.2	Tyre Size, Front	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	3.3	Tyre Size, Rear	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR
	3.5	Wheels, Number Front/Rear	2/2	2/2	2/2	2/2
Dimensions	3.6	Tread, Front	b10 (mm)	970	970	970
	3.7	Tread, Rear	b11 (mm)	980	980	980
	4.1	Tilt Of Mast/Fork Carriage, Forward/Backward	α / β (°)	6 / 12	6 / 12	6 / 12
	4.2	Height, Mast Lowered	h1 (mm)	2010	2010	2010
	4.3	Free Lift	h2 (mm)	160	160	160
	4.4	Lift	h3 (mm)	3000	3000	3000
	4.5	Height, Mast Extended (1)	h4 (mm)	3990	3990	3990
	4.7	Height Of Overhead Guard (Cabin) (2)	h6 (mm)	2180	2180	2180
	4.8	Seat Height/Stand Height (3)	h7 (mm)	1190	1190	1190
	4.12	Towing Coupling Height	h10 (mm)	250	250	250
Performance Data	4.19	Overall Length	l1 (mm)	3630	3692	3692
	4.20	Length To Face Of Forks	l2 (mm)	2560	2622	2622
	4.21	Overall Width	b1 (mm)	1160/1590	1160/1590	1160/1590
	4.22	Fork Dimensions ISO 2331	s/e/l (mm)	40/122/1070	40/122/1070	40/122/1070
	4.23	Fork Carriage ISO 2328, Class/Type A/B	11A	11A	11A	11A
	4.24	Fork Carriage Width (4)	b3 (mm)	1040	1040	1040
	4.31	Ground Clearance, Laden, Below Mast	m1 (mm)	125	125	125
	4.32	Ground Clearance, Centre Of Wheelbase	m2 (mm)	130	130	130
	4.33	Load Dimension B12 x L6 Crossways	b 12 x l 6 (mm)	1000*1000	1000*1000	1000*1000
	4.34	Alisle Width With Predetermined Load Dimensions	Ast (mm)	4295	4295	4295
	4.34.1	Alisle Width With Pallets 1000mm x 1200mm Crossways	Ast (mm)	3972	4023	4023
	4.34.2	Alisle Width With Pallets 800mm x 1200mm Lengthways	Ast (mm)	4172	4223	4223
	4.35	Turning Radius	Wa (mm)	2286	2347	2347
	4.36	Inner Turning Radius	b13 (mm)	745	745	745
	5.1	Travel Speed, Laden/Unladen	km/h	15/15	15/15	15/15
	5.1.1	Travel Speed, Laden/Unladen, Backwards	km/h	12/12	12/12	12/12
	5.2	Lifting Speed, Laden/Unladen	mm/s	400/430	400/430	510/540
	5.3	Lowering Speed, Laden/Unladen	mm/s	420/500	420/500	420/500

Description	1.2	Model Designation		J2.0XTLG 115V	J2.0XTLG 154V	J2.5XTLG 115V	J2.5XTLG 154V
Electric Engine	5.5	Drawbar Pull, Laden/Unladen	N	16000/13000	19000/15000	17000/15000	23000/16000
	5.8	Maximum Gradability, Laden/Unladen	%	15/15	20/20	15/15	20/20
	5.9	Acceleration Time, Laden/Unladen 15m	sec	5.6/5.5	5.6/5.5	5.6/5.5	5.8/5.5
	5.10	Service Brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
	6.1	Drive Motor Rating S2 60 Min	Kw	15	21.6	15	21.6
	6.2	Lift Motor Rating At S3 15 %	Kw	15	22.6	15	22.6
	6.3	Battery According To DIN 43531/35/36 A, B, C, No		no	no	no	no
	6.4	Battery Voltage/Nominal Capacity K5	(V)/(Ah)	115.9V/228Ah	154.5V/228Ah	115.9V/228Ah	154.5V/228Ah
	6.5	Battery Weight	kg	274	356	274	356
	6.6	Energy Consumption According To VDI Cycle	kWh/h	4.79	5.7	5.15	6.2
Additional Data	6.7	Turnover Output	t/h	136.3	163.6	146.4	174.7
	6.8	Energy Consumption At Turnover Output	kWh in 1 h	5.86	5.9	6.33	6.3
	8.1	Type Of Drive Unit		PM AC	PM AC	PM AC	PM AC
	10.1	Operating Pressure For Attachments	bar	140	140	140	140
	10.2	Oil Volume For Attachments (5)	l/min	64	64	64	64
	10.7	Sound Pressure Level At The Driver's Seat	dB (A)	66	66	66	66
	10.7.1	Sound Power Level During The Work Cycle (6)	dB (A)	82	81	82	81
	10.8	Towing Coupling, Type DIN		PIN	PIN	PIN	PIN

SPECIFICATIONS - J3.0-3.5XTLG

Description	1.2	Model Designation		J3.0XTLG 115V	J3.0XTLG 154V	J3.5XTLG 115V	J3.5XTLG 154V
Distinguishing Mark	1.1	Manufacturer		Hyster	Hyster	Hyster	Hyster
	1.3	Drive		Electric	Electric	Electric	Electric
	1.4	Operator Type		Seated	Seated	Seated	Seated
	1.5	Rated Capacity/Rated Load	Q (kg)	3000	3000	3500	3500
	1.6	Load Centre Distance	c (mm)	500	500	500	500
	1.8	Load Distance, Centre Of Drive Axle To Fork	x (mm)	491	491	510	510
	1.9	Wheelbase (With Mast Vertical)	y (mm)	1700	1700	1700	1700
	2.1	Service Weight	kg	4314	4356	4714	4756
	2.2	Axle Loading, Laden Front/Rear	kg	6450/864	6488/868	7244/970	7283/973
	2.3	Axle Loading, Unladen Front/Rear	kg	1726/2588	1742/2614	1861/2853	1878/2862
Tyres & Chassis	3.1	Tyres Front/Rear		pneumatic	pneumatic	pneumatic	pneumatic
	3.2	Tyre Size, Front		28-9-15-14PR	28-9-15-14PR	28-9-15-14PR	28-9-15-14PR
	3.3	Tyre Size, Rear		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
	3.5	Wheels, Number Front/Rear		2/2	2/2	2/2	2/2
	3.6	Tread, Front	b10 (mm)	1000	1000	1000	1000
	3.7	Tread, Rear	b11 (mm)	970	970	970	970
	4.1	Tilt Of Mast/Fork Carriage, Forward/Backward	α / β (°)	6/12	6/12	6/12	6/12
	4.2	Height, Mast Lowered	h1 (mm)	2150	2150	2150	2150
	4.3	Free Lift	h2 (mm)	165	165	170	170
	4.4	Lift	h3 (mm)	3000	3000	3000	3000
Dimensions	4.5	Height, Mast Extended (1)	h4 (mm)	4100	4100	4100	4100
	4.7	Height Of Overhead Guard (Cabin) (2)	h6 (mm)	2205	2205	2205	2205
	4.8	Seat Height/Stand Height (3)	h7 (mm)	1215	1215	1215	1215
	4.12	Towing Coupling Height	h10 (mm)	260	260	260	260
	4.19	Overall Length	l1 (mm)	3763	3763	3853	3853
	4.20	Length To Face Of Forks	l2 (mm)	2693	2693	2783	2783

Description	1.2	Model Designation	b1 (mm) s/e/1 (mm)	J3.0XTL6 115V 1228/1730 45/122/1070	J3.0XTL6 154V 1228/1730 45/122/1070	J3.5XTL6 115V 1228/1730 50/122/1070	J3.5XTL6 154V 1228/1730 50/122/1070
	4.21	Overall Width					
	4.22	Fork Dimensions ISO 2331					
	4.23	Fork Carriage ISO 2328, Class/Type A/B					
	4.24	Fork Carriage Width (4)	b3 (mm)	111A	111A	111A	111A
	4.31	Ground Clearance, Laden, Below Mast	m1 (mm)	140	140	140	140
	4.32	Ground Clearance, Centre Of Wheelbase	m2 (mm)	155	155	155	155
	4.33	Load Dimension B12 x L6 Crossways	b 12 x L6 (mm)	1000*1000	1000*1000	1000*1000	1000*1000
	4.34	Aside Width With Predetermined Load Dimensions	As1 (mm)	4295	4295	4295	4295
	4.34.1	Aside Width With Pallets 1000mm x 1200mm Crossways	As1 (mm)	4136	4136	4225	4225
	4.34.2	Aside Width With Pallets 800mm x 1200mm Lengthways	As1 (mm)	4336	4336	4425	4425
	4.35	Turning Radius	Wa (mm)	2445	2445	2515	2515
	4.36	Inner Turning Radius	b13 (mm)	823	823	823	823
Performance Data	5.1	Travel Speed, Laden/Unladen	km/h	15/15	19/19	15/15	19/19
	5.1.1	Travel Speed, Laden/Unladen, Backwards	km/h	12/12	16/16	12/12	16/16
	5.2	Lifting Speed, Laden/Unladen	mm/s	350/380	430/500	350/380	430/500
	5.3	Lowering Speed, Laden/Unladen	mm/s	420/500	420/500	420/500	420/500
	5.5	Drawbar Pull, Laden/Unladen	N	19000/16000	26000/17000	19000/16000	27000/17000
	5.8	Maximum Gradeability, Laden/Unladen	%	15/15	20/20	15/15	20/20
	5.9	Acceleration Time, Laden/Unladen 15m	sec	5.6/5.5	5.6/5.5	5.6/5.5	5.6/5.5
Electric Engine	5.10	Service Brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
	6.1	Drive Motor Rating S2 60 Min	Kw	15	21.6	15	21.6
	6.2	Lift Motor Rating At S3 15 %	Kw	15	22.6	15	22.6
	6.3	Battery According To DIN 43531/35/36 A, B, C, No		no	no	no	no
	6.4	Battery Voltage/Nominal Capacity K5	(V)/(Ah)	115.9V/228Ah	154.5V/228Ah	115.9V/228Ah	154.5V/228Ah
	6.5	Battery Weight	kg	274	356	274	356
	6.6	Energy Consumption According To VDI Cycle	kWh/h	5.84	6.46	6.38	7.07
	6.7	Turnover Output	t/h	166.6	193.9	181.8	212.1
	6.8	Energy Consumption At Turnover Output	kWh in 1 h	717	6.6	784	721
Additional Data	8.1	Type Of Drive Unit		PM AC	PM AC	PM AC	PM AC
	10.1	Operating Pressure For Attachments	bar	140	140	140	140
	10.2	Oil Volume For Attachments (5)	l/min	64	64	64	64
	10.7	Sound Pressure Level At The Driver's Seat	dB (A)	66	66	66	66
	10.7.1	Sound Power Level During The Work Cycle (6)	dB (A)	82	81	82	81
	10.8	Towing Coupling, Type DIN		PIN	PIN	PIN	PIN

(1) Without load basket. (2) HS subject to +/- 5mm tolerance. (3) Full suspension seat in depressed position. (4) Add 22mm with load basket. (5) Variable. (6) LPAZ, measured according to the test cycles and based on the weighting values contained in EN12053. Specification data is based on VDI 2198, with the following configuration: Complete truck with 3000mm 2-stage limited free lift mast, standard carriage and 1070mm forks, overhead guard and standard pneumatic drive and steer tyres.

Mast Type	Maximum Fork Height (mm)	Lowered Height (mm)	Extended Height with LBR (mm)	Extended Height without LBR (mm)	Free Lift Height without LBR	Back Tilt	Capacity with PSS tyres without sideshift (kg)	Capacity with PSS tyres with sideshift (kg)	Capacity with Pneumatic tyres without sideshift (kg)	Capacity with Pneumatic tyres with sideshift (kg)
3 STAGE FULL FREE LIFT (FFL) MAST	4350	2010	4867	5340	1390	6	1860	1800	1860	1600
	4500	2060	5017	5490	1440	6	1830	1770	1830	1770
	4800	2160	5317	5790	1540	6	1780	1720	1780	1720
	5000	2260	5517	5990	1640	6	1740	1680	1730	1670
	5500	2425	6017	6490	1800	6	1640	1580	1270 (1640-)	1220 (1580-)
	6000	2610	6517	6990	1990	6	1230 (1540-)	1180 (1490-)	910 (1480-)	850 (1430-)
	6500	2825	7017	7490	2215	6	870 (1430-)	810 (1380-)	610 (1120-)	540 (1070-)

13.0X17.6 MAST DIMENSIONS AND RATED CAPACITY @ 500MM LOAD CENTRE

Mast Type	Maximum Fork Height (mm)	Lowered Height (mm)	Extended Height with LBR (mm)	Extended Height without LBR (mm)	Free Lift Height without LBR	Back Tilt	Capacity with PSS tyres without sideshift (kg)	Capacity with PSS tyres with sideshift (kg)	Capacity with Pneumatic tyres without sideshift (kg)	Capacity with Pneumatic tyres with sideshift (kg)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2075	3640	4100	165	12	3000	2950	3000	2950
	3300	2225	3940	4400	165	12	3000	2950	3000	2950
	3500	2325	4140	4600	165	12	3000	2950	3000	2950
	3700	2425	4340	4800	165	6	3000	2940	3000	2940
	4000	2625	4640	5100	165	6	3000	2920	3000	2920
	4500	2875	5140	5600	165	6	2860	2770	2860	2770
	5000	3125	5640	6100	165	6	2680	2650	2520 (2730-)	2500 (2650-)
	5500	3425	6140	6600	165	6	1930 (2630-)	1890 (2550-)	1800 (2620-)	1770 (2530-)
	6000	3675	6640	7100	165	6	1330 (2490-)	1290 (2400-)	1270 (2190-)	1210 (2160-)
	3000	2075	3650	4100	1425	12	3000	2920	3000	2920
3 STAGE FULL FREE LIFT (FFL) MAST	3300	2225	3950	4400	1575	12	3000	2910	3000	2910
	3500	2325	4150	4600	1675	12	3000	2910	3000	2910
	4350	2075	4950	5450	1475	6	2790	2700	2790	2700
	4500	2125	5100	5600	1525	6	2750	2670	2750	2670
	4800	2225	5400	5900	1625	6	2670	2600	2540 (2690-)	2510 (2600-)
	5000	2325	5600	6100	1725	6	2420 (2630-)	2400 (2550-)	2290 (2630-)	2260 (2550-)
	5500	2480	6100	6600	1880	6	1840 (2510-)	1810 (2430-)	1750 (2490-)	1710 (2420-)
	6000	2675	6600	7100	2075	6	1370 (2630-)	1330 (2290-)	1310 (2070-)	1260 (2030-)
	6500	2890	7100	7600	2260	6	1000 (2010-)	940 (1990-)	960 (1660-)	900 (1620-)

13.0X17.6 MAST DIMENSIONS AND RATED CAPACITY @ 600MM LOAD CENTRE

Mast Type	Maximum Fork Height (mm)	Lowered Height (mm)	Extended Height with LBR (mm)	Extended Height without LBR (mm)	Free Lift Height without LBR	Back Tilt	Capacity with PSS tyres without sideshift (kg)	Capacity with PSS tyres with sideshift (kg)	Capacity with Pneumatic tyres without sideshift (kg)	Capacity with Pneumatic tyres with sideshift (kg)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2075	3640	4100	165	12	2770	2690	2770	2690
	3300	2225	3940	4400	165	12	2770	2690	2770	2690
	3500	2325	4140	4600	165	12	2760	2680	2760	2680
	3700	2425	4340	4800	165	6	2760	2680	2760	2680
	4000	2625	4640	5100	165	6	2740	2660	2740	2660
	4500	2875	5140	5600	165	6	2600	2520	2600	2520
	5000	3125	5640	6100	165	6	2480	2410	2480	2400

			6140	6600	165	6	2010 (2390-)	1970 (2220-)	1870 (2390-)	1840 (2300-)
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Mast Type	Maximum Fork Height (mm)	Lowered Height (mm)	Extended Height with LBR (mm)	Extended Height without LBR (mm)	Free Lift Height without LBR	Back Tilt	Capacity with PSS tyres without sideshift (kg)	Capacity with PSS tyres with sideshift (kg)	Capacity with Pneumatic tyres without sideshift (kg)	Capacity with Pneumatic tyres with sideshift (kg)
2 STAGE FULL FREE LIFT (FFL) MAST	6000	3675	6640	7100	165	6	1400 (2250-)	1360 (2190-)	1320 (2230-)	1270 (2170-)
	3000	2075	3650	4100	1425	12	2740	2660	2740	2660
	3300	2225	3950	4400	1575	12	2730	2650	2730	2650
	3500	2325	4150	4600	1675	12	2730	2650	2730	2650
	4350	2075	4950	5450	1475	6	2530	2460	2530	2460
3 STAGE FULL FREE LIFT (FFL) MAST	4500	2125	5100	5600	1525	6	2500	2430	2500	2430
	4800	2225	5400	5900	1625	6	2440	2370	2430	2360
	5000	2325	5600	6100	1725	6	2390	2320	2290 (2390-)	2270 (2320-)
	5500	2490	6100	6600	1880	6	1870 (2260-)	1830 (2210-)	1770 (2270-)	1720 (2200-)
	6000	2675	6600	7100	2075	6	1410 (2150-)	1360 (2060-)	1340 (2100-)	1290 (2060-)
	6500	2890	7100	7600	2260	6	1020 (2010-)	970 (1950-)	980 (1700-)	930 (1660-)

13.5X17.6 MAST DIMENSIONS AND RATED CAPACITY @ 500MM LOAD CENTRE

Mast Type	Maximum Fork Height (mm)	Lowered Height (mm)	Extended Height with LBR (mm)	Extended Height without LBR (mm)	Free Lift Height without LBR	Back Tilt	Capacity with PSS tyres without sideshift (kg)	Capacity with PSS tyres with sideshift (kg)	Capacity with Pneumatic tyres without sideshift (kg)	Capacity with Pneumatic tyres with sideshift (kg)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2150	3700	4100	170	12	3500	3420	3500	3420
	3300	2300	4000	4400	170	12	3500	3410	3500	3410
	3500	2400	4200	4600	170	12	3500	3410	3500	3410
	3700	2500	4400	4800	170	6	3500	3400	3500	3400
	4000	2700	4700	5100	170	6	3420	3320	3420	3320
	4500	2950	5200	5600	170	6	3300	3200	3120 (3300-)	3120 (3200-)
	5000	3200	5700	6100	170	6	2870 (3180-)	2860 (3060-)	2530 (3160-)	2520 (3070-)
	5500	3500	6200	6600	170	6	2340 (3020-)	2320 (2930-)	2050 (2860-)	2030 (2850-)
	6000	3750	6700	7100	170	6	1870 (2810-)	1850 (2760-)	1640 (2430-)	1610 (2420-)
	3000	2150	3680	4100	1470	12	3500	3410	3500	3410
2 STAGE FULL FREE LIFT (FFL) MAST	3300	2300	3980	4400	1620	12	3500	3410	3500	3410
	3500	2400	4180	4600	1720	12	3500	3400	3500	3400
	4350	2150	4990	5450	1510	6	3470	3390	3140 (3460-)	3130 (3370-)
	4500	2200	5140	5600	1560	6	3320	3210	2960 (3420-)	2940 (3340-)
	4800	2300	5440	5900	1660	6	2940 (3350-)	2930 (3310-)	2610 (3350-)	2600 (3260-)
	5000	2400	5640	6100	1760	6	2730 (3340-)	2710 (3250-)	2410 (3240-)	2390 (3210-)
	5500	2565	6140	6600	1915	6	2200 (3140-)	2190 (3110-)	1940 (2750-)	1920 (2740-)
	6000	2750	6640	7100	2110	6	1780 (2710-)	1750 (2690-)	1560 (2350-)	1530 (2330-)
	6500	2965	7140	7600	2290	6	1410 (2330-)	1380 (2300-)	1240 (2000-)	1200 (1970-)

13.5X17.6 MAST DIMENSIONS AND RATED CAPACITY @ 600MM LOAD CENTRE

Mast Type	Maximum Fork Height (mm)	Lowered Height (mm)	Extended Height with LBR (mm)	Extended Height without LBR (mm)	Free Lift Height without LBR	Back Tilt	Capacity with PSS tyres without sideshift (kg)	Capacity with PSS tyres with sideshift (kg)	Capacity with Pneumatic tyres without sideshift (kg)	Capacity with Pneumatic tyres with sideshift (kg)
2 STAGE LIMITED FREE LIFT (LFL) MAST	3000	2150	3700	4100	170	12	3210	3120	3210	3120
	3300	2300	4000	4400	170	12	3200	3110	3200	3110
	3500	2400	4200	4600	170	12	3190	3100	3190	3100

Mast Type	Maximum Fork Height (mm)	Lowered Height (mm)	Extended Height with LBR (mm)	Extended Height without LBR (mm)	Free Lift Height without LBR	Back Tilt	Capacity with PSS tyres without sideshift (kg)	Capacity with PSS tyres with sideshift (kg)	Capacity with Pneumatic tyres without sideshift (kg)	Capacity with Pneumatic tyres with sideshift (kg)
	3700	2500	4400	4800	170	6	3190	3100	3190	3100
	4000	2700	4700	5100	170	6	3120	3030	3110	3030
	4500	2950	5200	5600	170	6	3000	2920	3000	2910
	5000	3200	5700	6100	170	6	2880	2800	2860 (2880-)	2580 (2800-)
	5500	3500	6200	6600	170	6	2390 (2750-)	2380 (2670-)	2110 (2730-)	2080 (2660-)
	6000	3750	6700	7100	170	6	1940 (2610-)	1900 (2540-)	1700 (2510-)	1680 (2490-)
2 STAGE FULL FREE LIFT (FFL) MAST	3000	2150	3680	4100	1470	12	3200	3110	3200	3110
	3300	2300	3980	4400	1620	12	3190	3100	3190	3100
	3500	2400	4180	4600	1720	12	3190	3100	3190	3100
	4350	2150	4990	5450	1510	6	2940 (3060-)	2930 (3010-)	2630 (3080-)	2600 (3010-)
	4500	2200	5140	5600	1560	6	2730 (3030-)	2710 (2960-)	2430 (3030-)	2410 (2950-)
	4800	2300	5440	5900	1660	6	2230 (2900-)	2200 (2830-)	1970 (2790-)	1940 (2770-)
	5000	2400	5640	6100	1760	6	1810 (2750-)	1780 (2690-)	1580 (2390-)	1560 (2730-)
	5500	2565	6140	6600	1915	6	1430 (2380-)	1400 (2350-)	1260 (2040-)	1220 (2010-)
	6000	2750	6640	7100	2110	6	1780 (2710-)	1750 (2690-)	1560 (2350-)	1530 (2330-)
	6500	2965	7140	7600	2290	6	1410 (2330-)	1380 (2300-)	1240 (2000-)	1200 (1970-)

Cell with “-” = Dual tread specification

BATTERIES AND CHARGERS

LITHIUM-ION BATTERY SPECIFICATIONS

Nominal Voltage	V	115.9V/228Ah (Hyster)	154.5V/228Ah (Hyster)
Chemistry		Lithium Iron Phosphate (LFP)	Lithium Iron Phosphate (LFP)
Nominal Energy Capacity	kWh	26.4	35.2
Charging Temperature	°C	0°C – 45°C	0°C – 45°C
Operating Temperature	°C	-10°C – 45°C *	-10°C – 45°C *
IP Rating		IP54	IP54
Charge Connector		DIN 160A	GB 250A Socket
Charge Connector Position		Side	Side

* Operating performance may be restricted below -10°C please consult the Operator Manual.

L-I-ION CHARGER DATA

Description	Unit				
Part Number	-	HWCD18-115V60A	HWCD18-115V100A	HWCD18-153.6V100A	HWCD18-153.6V150A
Rated Output Voltage	V	115	115	154	154
Output Current	A	60	100	100	150
Typical Output Power	kW	8.3	13.8	18	20
20-80% Charge Time Estimate*	h	2h44m	1h22m	1h22m	54min
Output Connector		REMA160A	REMA160A	GB 125A	GB 200A
Protection**	-	->	->	->	->
Input Voltage	VAC	HF 320V-475V	HF 320V-475V	HF 320V-475V	HF 320V-475V
Input Current***	A	15.9	26.5	34.6	38.4
Typical Grid Power Required	KVA	10.9	18.2	23.7	26.3
Cable Length/Connector	ft (m)	10 (3) / Customer Provided Connector	10 (3) / Customer Provided Connector	10 (3) / Customer Provided Connector	10 (3) / Customer Provided Connector
Exterior Dimensions (L x W x H)	in (mm)	558 (L) ×330 (W) ×617 (H)	558 (L) ×330 (W) ×617 (H)	558 (L) ×330 (W) ×617 (H)	558 (L) ×330 (W) ×617 (H)
Weight	lb (kg)	47	47	47	47
Working Environment Temperature	°F (°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)
Storage Temperature	°F (°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)	-22 to 158°F (-30 to 70°C)
Relative Humidity	%	0-95%	0-95%	0-95%	0-95%
Altitude	ft (m)	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated	≤ 6562 (2000) full load 6562-9843 (2000-3000) derated
Ingress Protection Rating	-	IP54	IP54	IP54	IP54
3rd Party Rating	-	CE compliant	CE compliant	CE compliant	CE compliant
Warranty Term****	-	->	->	->	->

* Periodic full discharge and charge needed to balance cells and maintain battery warranty. See full warranty statement for complete details.

** Short circuit, overcurrent, overvoltage, reverse connection, current backflow protection, isolation.

*** Breaker typically 25% greater than input current, consult electrical professional for your situation.

****2 Year Warranty, Terms and Conditions Apply. See full warranty statement for complete details.

OPTIONS TABLE

AVAILABLE OPTIONS - EUROPE, MIDDLE EAST, AFRICA

Description	Standard	Option
PERFORMANCE	STD	OPT
115V Electrical System With Rema Connection	x	
154V Electrical System With GB Connection		x
Standard (-20 °C To 40 °C) Environmental Construction	x	
Drum Brakes	x	
Oil-Immersed Brakes		x
Antistatic Strap	x	
115.9V/228Ah (26.4 kWh) Integrated Li-Ion Battery	x	
Charger 115V-60A (323-475V Three-Phase Input) With REMA160A Connector	x	
Charger 115V-100A (323-475V Three-Phase Input) With REMA160A Connector		x
154.5V/228Ah (35.2 kWh) Integrated Li-Ion Battery		x
Charger 154V-100A (220V, 323-475V, 480V Three-Phase Input) With GB 125A Connector		x
Charger 154V-150A (220V, 323-475V, 480V Three-Phase Input) With GB 200A Connector		x
Battery Disconnect	x	
OPERATION	STD	OPT
Traction Speed Limiters	x	
Key Switch Start	x	
Manual Park Brake	x	
Automatic Park Brake		x
Telemetry Prepared	x	
Speed Reduction In Corners	x	
Hyster Tracker™ Wireless Monitoring	x	
Hyster Tracker™ Wireless Access		x
Hyster Tracker™ Wireless Verification		x
DRIVE	STD	OPT
Directional Lever	x	
Hyster Monotrol® Directional Control Pedal		x
Integrated Directional Switch		x
Standard Tread Tyres	x	
Dual Tread Tyres		x
Tyres - Super Elastic		x
Tyres - Super Elastic - Non-Marking		x
Tyres - Pneumatic	x	
Steering Column Mounted Directional Control	x	
Steering Wheel With Spinner Knob	x	
Steer Column With Infinitely Adjustable Tilt	x	
On-Demand Power Steering	x	
On-Demand Hydrostatic Power Assist Steering With Synchronous Steering		x
LIFT	STD	OPT
2-Stage Limited Free Lift Mast – Class II/III	x	
2-Stage Full Free Lift (FFL) - Class II/III		x
3-Stage Full Free Lift Mast – Class II/III		x
6° Forward / 6° Back Mast Tilt		x
6° Forward / 12° Back Mast Tilt	x	
3° Forward / 6° Back Mast Tilt		x
Tilt Cylinder Boots	x	
HANDLING	STD	OPT

Description	Standard	Option
Hook Type Standard Carriage - 1038mm Class II		X
Hook Type Standard Carriage - 1100mm Class III	X	
Hook Type Standard Carriage - 1200mm Class II		X
Hook Type Integral Sideshift Carriage - 1040mm Class II		X
Hook Type Integral Sideshift Carriage - 1100mm Class III		X
Without Carriage		X
Hook Type Standard Taper Forks 45 x 122 x 1070mm	X	
Without Load Backrest		X
1080mm High Load Backrest Class III		X
940mm High Load Backrest Class II		X
Manual Lever Hydraulic Control	X	
Mini Lever Hydraulic Control		X
Clamping Function		X
2 Function (0 Auxiliary) Hydraulic Valve	X	
3 Function (1 Auxiliary) Hydraulic Valve		X
4 Function (2 Auxiliary) Hydraulic Valve		X
ERGONOMICS	STD	OPT
2180mm Overhead Guard J2.0-2.5XTLG	X	
2205mm Overhead Guard J3.0-3.5XTLG	X	
Non-Suspension Vinyl Seat	X	
Full Suspension Vinyl Seat (SC29) With Switch For OPS		X
Full Suspension Vinyl With Flip-Up Armrest (MSG65) – Premium		X
Standard Seat Belt With Interlock	X	
Cabin Options (Partial, PVC, Steel Doors)		X
Rear Drive Handle With Horn Button		X
Console Tray	X	
LCD Dash Display	X	
12V Supply With Twin USB Charging Sockets	X	
VISIBILITY	STD	OPT
LED Work Lights	X	
2 Front LED Work Lights With Stop, Tail, Indicator & Reverse Lights	X	
2 Front And 1 Rear LED Work Lights With Stop, Tail, Indicator & Reverse Lights		X
Audible Reverse Alarm		X
Amber Strobe Light - Ignition And Switch-Activated		X
Dual Side View Mirrors	X	
Rear Reflector	X	
Blue LED Pedestrian Awareness Spotlights		X
Red LED Pedestrian Awareness Perimeter Lines		X
Parking Alarm	X	
APPEARANCE	STD	OPT
Hyster Yellow Paint Base Truck	X	
SUPPLEMENTAL	STD	OPT
12 Month / 2,000 Hour Full Truck Warranty	X	
36 Month / 6,000 Hour Powertrain Warranty		X
5 Years / 3,000 Cycles Integrated Li-Ion Battery Warranty	X	
2 Years Li-Ion Charger Warranty	X	
Operating Manual	X	



HYSTER EUROPE

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